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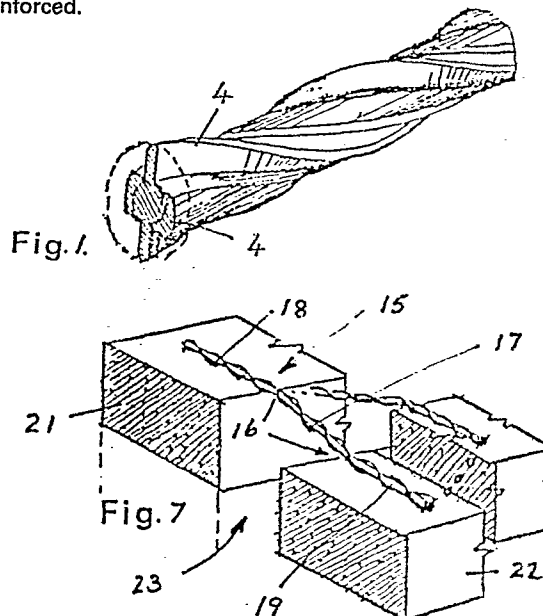
Reinforcements and ties.

Reinforcements and ties are in the form of a length of wire (15) having a core, and a number of externally projecting fins or ridges (4,6,8) which are conveniently of helical form as by being on a twisted wire of uniform cross-section. The fins and the indentations between them can define drip points so that if a length of wire is used as a wall tie between the two leaves (21,22) of a cavity brick wall water will not pass from one leave to the other across the cavity but will drip into the cavity from a drip point.

A wire can be easily inserted into the two leaves of a cavity wall whether both leaves are being built as a new wall or whether one leaf is being built as a lining to an existing wall, or whether both walls already exist and require old wall ties to be replaced. It may be necessary to drill a pilot hole of the same diameter as the core of the wire into which the wire can be driven by a hammer with the fins cutting into the masonry as the wire turns. The wire may be cranked in two places (16) to have end (18,19) parallel with each other but spaced in the plane of the wire for easy accommodation of any vertical spacing between the mortar layers of respective inner and outer brick walls on either side of the cavity.

The wire may be formed by one or two passes between a pair of slotted rollers with the material being deformed to take core material to the fins.

The wire can also be used for reinforcing cracked brick-work or even causing timber or brick components to be reinforced.





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EUROPEAN SEARCH REPORT

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EP 85 30 5405

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.3)
A	DE-C- 908 530 (MOOS'SCHEN EISENWERKE) * complete document * ----	1	E 04 B 1/41 E 04 B 2/30 E 04 B 2/44 E 04 C 5/03
A	DE-U-8 309 759 (KNOCHE) * claims 1-3 * ----	1	
A	DE-B-1 784 595 (BEKAERT) * complete document * ----	1,7	
A	DE-A-2 603 734 (SCHWARZ) * figure 5 * ----	1	
A	GB-A-1 572 953 (LEEDHAM) * complete document * -----	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.3)
			E 04 B 1/00 E 04 C 5/03
Place of search		Date of completion of the search	Examiner
BERLIN		16-11-1987	KLITSCH
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			